Design Decisions Form Instructions

NOTE: There are two versions of this form, both having the same requested information. The only difference with the two page version is that more room is provided for comment fields that begin half-way down the single page version. When using the 2 page form, ensure the "2 pp. Form Used" button is selected.

NOTE on PIN database: There can be only one Design Decision form per WIN project (record) in the PROJSUM database. If a project has a WIN with more than one associated PIN(s), and the design information for these are different, you will need to include additional forms. The "Pin_dd_.fp3" database is used to create Design Decision forms for additional PIN(s). In turn, a record in the PIN database can cover several PINs if the Design Decision information for the projects on one form is the same or very similar.

PIN:
A separate Design Decisions Summary form needs to be created for each PIN listed on the first sheet of the Project Summary form (see above note), unless the design decision information for a project is the same for several PIN(s). In that case they can be listed in the "PIN(s) Covered" field.

PIN(s) Covered:
If the Design Decision information can be summarized, or is the same for the multiple PIN(s) listed on the Project Summary form, list the additional PIN(s) covered by this form.This field is not the same as the multiple PIN(s) listed on the first sheet of the Project Summary form. This field must be entered manually and is to be used only to indicate other PIN(s) that have the same project info as the first or primary PIN listed under PIN. In other words, the descriptions on this page apply to the first PIN listed, as will as, all PIN(s) listed under 'PIN(s) Covered.'

WIN, SR (for the PIN), Title (PIN), Region, Begin (PIN) KP/MP, End (PIN) KP/MP, and Type of Work:
These are the same fields as those on the first page of the Project Definition form and will thus appear on this layout.

Centerline Length (PIN):
This length refers to the centerline length for this particular PIN or segment of the overall (WIN) project. It is not the same Centerline length field that appears on the first sheet. The mile value should be entered and the KM will be calculated. Although, if the there is only one PIN the number this would be the same value as for the WIN as a whole. That value can be copied from the WIN centerline length field that is found in the gray bar below (this is non-printing).

Record Created:
Automatically entered when the Project Summary record was initially created. This date cannot be changed.

Date Form Revised:
Date for latest significant revision to the Design Decisions form (either the 1 or 2 page version). This date should be changed as the record is periodically updated. This must be entered manually or using the "Update" button.

Revision No.:
Number of latest revision to an approved Project Summary (all forms). This value cannot be manually, but is input automatically via a script.

GEOMETRICS AND TRAFFIC

Design Level:
Select only one item from list as appropriate. This selection is based on the functional classification of the highway and Section 325 of the Design Manual.
Need For Right-of-Way?:
Obvious. This differs from the 'Right-of-Way Needed' entry entered on the bottom of the Project Summary form, as this entry applies to the PIN rather than the entire project.
Design Speed:
For Mainline and Crossroads. Enter N/A if not applicable.
Design Year:
Enter N/A if not applicable.
ADT/Truck %:
Specify according to latest available data or TRIPS.

ACCESS CONTROL DESIGNATION

On Access Master Plan?

• Yes: If the project limits are in the Access Master Plan, either as Established or as Planned -

a) Fill in the Yes circle next to the "On Access Master Plan?" question.
b) Next to "Current", identify the current status (
> Established L/A - Full, Partial, or Modified
> Planned L/A - Full, Partial, or Modified).
c) Next to "Proposed", state how the project will affect the current status.
> No Change (project does not affect what is listed in the Access Master Plan)
> Defer (in the Design Variance Inventory block explain reason for changing current status)
> Upgrade (explain proposed change in Additional Project Information, i.e., from Partial to Full)
d) Next to "Access Mgmt Classification", state "N/A"

• No: If the project limits are not in the Access Master Plan, either as Established or as Planned -

a) Fill in the No circle next to the "On Access Master Plan?" question.
b) Next to "Current", state "N/A"
c) Next to "Proposed", list what access is in the project description:
> Full
> Partial
> Modified
> No Change
d) Next to "Access Mgmt Classification", identify the access class/control from the NWR Access Classifications spreadsheet

ROADWAY GEOMETRIC DATA

Include the roadway geometric data for the State Route listed in the upper left hand portion of the form. If the project includes cross streets and/or ramps, show the geometric data for the major State Route. Geometric data for cross streets and ramps should be shown under "Additional Project Information".

Existing:
Obtain data from field review and/or TRIPS. For ‘Shoulder Width Left‘ ‘Shoulder Width and Right’ - if the project is a two lane, undivided roadway then the shoulder width refers to the left or right width respectively ; if it is a multi-lane divided roadway, then this value refers to the inside or outside width.

Total Number of Through Lanes:
Does not include two-way left turn lanes.

Aux Lane:
Auxiliary Lanes are Special Use Lanes as defined by the State Highway Log (e.g., climbing lanes, HOV lanes, two way left turn lanes). Left or right turn channelization should not be listed as auxiliary lanes (it should be shown under "Additional Project Information").

Total Roadway Width:
The total width of travel lanes plus auxiliary lanes. This does not include left or right turn channelization, shoulders, or medians.

Standards:
If the project is being designed at the Basic Design Level, state "Same as Existing" as the applicable Standard (can be selected from single-item pull-down list).

Additional Project Information:
Space to provide further project information and to list any additional information you might want to include about the project that isn't already addressed in another section of the form or on another form (i.e., Project Summary, Environmental Review Summary).

PAVEMENT

For each section of paving enter:

- Start/End MP - Specify the beginning and ending for major paving sections.
- Pavement Type - Select ACP, BST, PCCP, etc.
- Depth - Specify the average paving depth.
- Pre-Level Amount - Specify the desired pre-level amount in tons per lane-mile.
- Super/Crown Correction - Select YES if super-elevation and/or crown correction is planned in this paving section.
- Milling -Select YES if substantial traveled way milling is proposed (i.e., exclude bridge pavement seat milling).

P1 ROADWAY PRESERVATION

Indicate if the required safety items of work are defered. Also, indicate any minor safety improvements that are listed in Design Manual Section 410.04, as well as the starting and ending MP for these improvements.

ROADSIDE RESTORATION

Roadside Classification and Treatment Level
Roadside Classification is listed for each State Route in the Roadside Classification Plan 1996, Appendix D.

IMPROVEMENTS

Safety Enhancements Chosen
Specifically identify the major safety improvements proposed. Address at a minimum, the following issues:

1. Is widening proposed for additional lanes, channelization, etc.? If so, specify type of widening (symmetrical, all left/right, etc.) and length.
2. Is vertical or horizontal realignment proposed?
3. Are clear zone improvements proposed? If so, specify type of work and location.
4. Is the proposed work to mitigate environmental impacts of a transportation improvement (i.e., replace wetlands lost due to widening, add stormwater retention basin because of increased impervious surface, add noise walls because of increased traffic noise, etc.)? If so, specify location and extent.
5. Is the proposed work to retrofit facilities to meet objectives in the Environmental Retrofit program (i.e., stormwater retrofit, noise wall retrofit, or removal of fish passage barriers)? If so, specify location and extent.
6. Does the proposed improvement include a structure adjacent to a navigable waterway? If so, specify type of structure and location.

Hydraulic Decisions:
Identify any proposed culvert replacements, stormwater retrofits, new stormwater detention/treatment facilities, etc.

DEVIATIONS

Deviations:
Identify any known deviations from the specified design level matrix and state the disposition of that deviation (i.e., under review, approved, etc.) Precede deviation information with a date, using the format: “12/29/95- text of deviation note, etc.”

DESIGN VARIANCE INVENTORY

Design Variance Inventory:
Select YES or NO to indicate whether design variance inventory is complete.

SIGNATURES

Region or OSC Design Concurrence:
Use of this field is being evaluated.

Region or OSC Design Approval:
Use of this field is being evaluated.

Approval Date (s):
Enter the date that this form is approved for this project, not the date that this form was printed for signature.